## AUTHOR INDEX

#### NOTE

Committee and Special Reports are published in rear forms as part of AHA News.

The reports follow text and are continued into rear ad pages.

A

Aamodt R, 382 Abboud FM, 451 Abdollah H, 87, 120 Abe H. 73 Akhtar M, 26, 1096 Albala A, 1036 Aldrich RF, 313, 325 Allen JD, 357 Ambos HD, 711 Amplatz K, 772, 783 Andersen K, 492, 874 Anderson EE, 756 Anderson JH, 554 Ando K, 468 Anholm JD, 748 Antzelevitch C. 1026 Araki H, 441 Arensman FW, 106 Arentzen CE, 409 Aretz HT, 93 Aretz T, 497 Arima A, 933 Aristimuño GG, 895 Armstrong K, 766 Aroesty JM, 703 Artman M, 949 Ashihara T, 50 Asoa M. 73 Ayoub EM, 197

Δ

Borgwardt B, 783 Borow KM, 106 Botvinick E. 125, 523 Boucek RJ Jr. 949 Bove AA, 15 Boyden PA, 1036 Brachmann J, 577 Braunwald E, 611, 703, 728, 740 Breinig J, 756 Brensike JF, 313, 325 Breslow JL, 1190 Bristow MR, 430 Brown T, 142 Brugada P. 87, 120 Brummett C, 973 Brutsaert DL, 190 Bufi D, 943 Bugiardini R. 690 Buja LM, 1120, 1161 Bulkley BH, 593, 1006 Burchell HB, 233 Burkel WE, 632 Bush LR. 1161

Buttner EE, 973

Buxton AE, 532, 914, 1103

Damiano BP, 1013 Dassen WR, 120 Davidenko JM, 1026 Davidowski TA, 22 Davies G, 8, 690 Davis K, 430 De Caterina R. 889 De Geest H, 605, 1070 DeGuzman LR, 174 Denker S, 26, 1096 Detrano R, 541 Detre KM, 313, 325 Devenish-Meares S, 955 Dewanjee MK, 350 Dibiase A. 430 DiMarco JP, 1195 Dismukes WE, 223 Ditchey RV, 181, 815 Dixon J, 756 Doherty JU, 113, 914, 1103 Doty DB, 1111 Douglas JS, 721 Dunn FG, 1142 Dunn RF, 477 Dunnigan A, 1088 Dymond DS, 748

D

C

B

Babu NS, 756 Bach SM Jr, 766 Bacharach SL, 382 Bache RJ, 409 Baim DS, 703 Barnes DH, 1111 Barrett-Connor E, 1065 Battaglini JW, 313, 325 Baxley WA, 338 Beaglehole R, 242 Becker LC, 131, 203, 1006 Belardinelli L, 1195 Bellamy RF, 174 Benditt DG, 1088 Benson DW Jr, 1088 Berenson GS, 895 Bergdahl LAL, 223 Bergmann SR, 605 Berkenboom G, 8 Bernabei R. 618 Berne RM, 1195 Bernstein L, 477 Bierman EL, 1065A Bigger JT Jr. 250 Billingham ME, 430 Billman GE, 790, 1182 Blackstone EH, 223 Blake GJ, 369 Block PC, 93

Cain ME, 711 Califf RM, 880 Campbell WB, 756, 1161 Carabello BA, 1058 Carey RM, 1142 Carpeggiani C, 889 Cassidy DM, 914, 1103 Castaneda AR, 655 Celano V, 924 Chandra N, 822 Charlier AA, 696 Chierchia S, 8, 690 Choong CYP, 955 Christopher TD, 65 Clagett GP, 632 Clarke WR, 242 Clayton PD, 569 Cobb LA, 943 Cobbe S. 577 Cobbs CG, 223 Cohen A, 645 Cohen ML, 506 Cohen MV, 214 Cohn JN, 548 Collen D, 605, 983 Collins SM, 775, 991 Connor WE, 1065A Copass MK, 943 Corbett JR, 1120 Corday E, 418 Cragg A, 772, 783 Crea F, 8, 690 Crean P, 8 Crooks L, 523 Cryer P, 766 Czygan E, 577

Eastham CL, 1111 Echt DS, 766 Edie RN, 640 Edmunds LH Jr, 640 Einzig S, 783 El-Sherif N, 485 English L, 288 Epstein SE, 313, 325, 382 Erbel R, 298 Ericksen EE, 991 Esser PD, 512

F

E

Fallon JT, 93
Farsang C, 461
Fekete M, 461
Fenoglio JJ Jr, 512, 1036
Ferguson DW, 451, 991
Ferraro N, 1079
Fisher DC, 80
Fisher M, 313, 325
Flaherty JT, 585, 593
Fleg JL, 203
Fleiss JL, 250
Fletcher PJ, 955
Ford CH, 1065A
Ford JW, 632
Foster C, 748
Foster TA, 895
Fox KAA, 605

Boei A, 1070

Boerth RC, 949

## AUTHOR INDEX

#### NOTE

Committee and Special Reports are published in rear forms as part of AHA News.

The reports follow text and are continued into rear ad pages.

A

Aamodt R, 382 Abboud FM, 451 Abdollah H, 87, 120 Abe H. 73 Akhtar M, 26, 1096 Albala A, 1036 Aldrich RF, 313, 325 Allen JD, 357 Ambos HD, 711 Amplatz K, 772, 783 Andersen K, 492, 874 Anderson EE, 756 Anderson JH, 554 Ando K, 468 Anholm JD, 748 Antzelevitch C. 1026 Araki H, 441 Arensman FW, 106 Arentzen CE, 409 Aretz HT, 93 Aretz T, 497 Arima A, 933 Aristimuño GG, 895 Armstrong K, 766 Aroesty JM, 703 Artman M, 949 Ashihara T, 50 Asoa M. 73 Ayoub EM, 197

Δ

Borgwardt B, 783 Borow KM, 106 Botvinick E. 125, 523 Boucek RJ Jr. 949 Bove AA, 15 Boyden PA, 1036 Brachmann J, 577 Braunwald E, 611, 703, 728, 740 Breinig J, 756 Brensike JF, 313, 325 Breslow JL, 1190 Bristow MR, 430 Brown T, 142 Brugada P. 87, 120 Brummett C, 973 Brutsaert DL, 190 Bufi D, 943 Bugiardini R. 690 Buja LM, 1120, 1161 Bulkley BH, 593, 1006 Burchell HB, 233 Burkel WE, 632 Bush LR. 1161

Buttner EE, 973

Buxton AE, 532, 914, 1103

Damiano BP, 1013 Dassen WR, 120 Davidenko JM, 1026 Davidowski TA, 22 Davies G, 8, 690 Davis K, 430 De Caterina R. 889 De Geest H, 605, 1070 DeGuzman LR, 174 Denker S, 26, 1096 Detrano R, 541 Detre KM, 313, 325 Devenish-Meares S, 955 Dewanjee MK, 350 Dibiase A. 430 DiMarco JP, 1195 Dismukes WE, 223 Ditchey RV, 181, 815 Dixon J, 756 Doherty JU, 113, 914, 1103 Doty DB, 1111 Douglas JS, 721 Dunn FG, 1142 Dunn RF, 477 Dunnigan A, 1088 Dymond DS, 748

D

C

B

Babu NS, 756 Bach SM Jr, 766 Bacharach SL, 382 Bache RJ, 409 Baim DS, 703 Barnes DH, 1111 Barrett-Connor E, 1065 Battaglini JW, 313, 325 Baxley WA, 338 Beaglehole R, 242 Becker LC, 131, 203, 1006 Belardinelli L, 1195 Bellamy RF, 174 Benditt DG, 1088 Benson DW Jr, 1088 Berenson GS, 895 Bergdahl LAL, 223 Bergmann SR, 605 Berkenboom G, 8 Bernabei R. 618 Berne RM, 1195 Bernstein L, 477 Bierman EL, 1065A Bigger JT Jr. 250 Billingham ME, 430 Billman GE, 790, 1182 Blackstone EH, 223 Blake GJ, 369 Block PC, 93

Cain ME, 711 Califf RM, 880 Campbell WB, 756, 1161 Carabello BA, 1058 Carey RM, 1142 Carpeggiani C, 889 Cassidy DM, 914, 1103 Castaneda AR, 655 Celano V, 924 Chandra N, 822 Charlier AA, 696 Chierchia S, 8, 690 Choong CYP, 955 Christopher TD, 65 Clagett GP, 632 Clarke WR, 242 Clayton PD, 569 Cobb LA, 943 Cobbe S. 577 Cobbs CG, 223 Cohen A, 645 Cohen ML, 506 Cohen MV, 214 Cohn JN, 548 Collen D, 605, 983 Collins SM, 775, 991 Connor WE, 1065A Copass MK, 943 Corbett JR, 1120 Corday E, 418 Cragg A, 772, 783 Crea F, 8, 690 Crean P, 8 Crooks L, 523 Cryer P, 766 Czygan E, 577

Eastham CL, 1111 Echt DS, 766 Edie RN, 640 Edmunds LH Jr, 640 Einzig S, 783 El-Sherif N, 485 English L, 288 Epstein SE, 313, 325, 382 Erbel R, 298 Ericksen EE, 991 Esser PD, 512

F

E

Fallon JT, 93
Farsang C, 461
Fekete M, 461
Fenoglio JJ Jr, 512, 1036
Ferguson DW, 451, 991
Ferraro N, 1079
Fisher DC, 80
Fisher M, 313, 325
Flaherty JT, 585, 593
Fleg JL, 203
Fleiss JL, 250
Fletcher PJ, 955
Ford CH, 1065A
Ford JW, 632
Foster C, 748
Foster TA, 895
Fox KAA, 605

Boei A, 1070

Boerth RC, 949

Francis MJ, 288 Frantz ID Jr, 1065A Franz MR, 593 Frederiksen R, 756 Freeman B, 690 Friedewald W, 313, 325 Friedman L, 313, 325 Frohlich ED, 1142 Fujita T, 468 Furberg CD, 761 Furutani Y, 933 Fuster V, 350 Fve WB, 849, 1198

G

Gabbe S, 645 Gabrieli CFO, 512 Gallagher JJ, 269 Gallagher KP, 801 Gangadharan V, 1146 Garberg V, 548 Gardner TJ, 554, 585 Geboers J, 1070 Geltman EM, 983 German LD, 269 Gerstenblith G. 203 Gettes LS, 1219A Gewirtz H, 1048 Gewitz MH, 645 Gibson TC, 497 Gilbert C, 26 Gillam LD, 497 Gillette PC, 1219A Gingell RL, 924 Ginsburg R, 430 Glassman E. 506 Glueck CJ, 1065A Go RT, 541 Gomes JAC, 485 Goodfliesh R, 1146 Gordon S, 1146 Gotto AM Jr, 1065A Gould BL, 569 Graham LM, 632 Graham TP Jr, 949 Green M, 87 Green MV, 382 Grimm J, 855 Grose R, 214 Gross GJ, 391 Gross SL, 1048 Grossman W, 703 Gruentzig AR, 721 Grundy SM, 1065A Guarnieri T, 269 Guerci AD, 822 Guyer DE, 497

H

Haeberli A, 684 Haendchen R, 418 Hallstrom AP, 943 Hanmerman H, 611 Hanrath P, 854A Hardman HF, 391 Hariman RJ, 485 Harken AH, 640 Harrell FE Jr. 880 Harris PJ, 477, 955 Harrison DG, 991, 1111 Hauser AM, 1146 Hawkins CM, 761 Heger JJ, 278 Heller GV, 703 Henderson E, 1120 Hennekens CH, 728, 740 Henry WN, 854A Henze E, 33 Hermiller JB, 57 Hess OM, 855 Higgins CB, 125, 523 Hiratzka LF, 1111 Hirshfeld JW. 259 Hlatky MA, 880 Hoka S. 50 Hollman J, 721 Hood WB Jr, 113 Hood WP Jr, 338 Hori M, 73 Horowitz S, 80, 1177 Hoyng CF, 605 Hoyt RH, 775 Huff DS. 645 Hufnagel H. 632 Hugenholtz PD, 854A Hutchins GM, 131 Huxley RL, 1120

1

Ikezono T, 933 Im Hof V, 684 Imai Y, 306 Imaizumi T, 50 Inoue M, 73 Ishii Y, 441 Ito H, 73 Ito N, 50 Ivert TSÅ, 223

J

Jacobus WE, 585 Jaffe AS, 983 Jaffin JH, 585 Jalifé J, 163 Jauernig R, 577 Jennings HS, 756 Jensen RL, 569 Jones RH, 65 Josa M, 350 Josephson ME, 532, 914, 1103, 1219A

K

Kahn RH, 632 Kaiser AB, 756 Kan JS, 554 Kanter KR, 585 Kaplan P, 756 Kapocsi J, 461 Karam M, 866 Karp RB, 973 Kasell JH, 269 Kaski JC, 690 Kaufman L, 523 Kawachi Y, 441 Kaye MP, 350 Keane JF, 655 Kelly DT, 477, 955 Kelsey SF, 313, 325 Kemper WS, 801 Kesteloot H, 1070 Khaw K, 1065 Kikuchi Y, 441 King ME, 497 King SB III, 721 Kioschos JM, 991 Kirklin JK, 338 Kirklin JW, 223 Kitabatake A, 73 Kleiger R, 250 Klein GJ, 278, 1088 Klein HH, 1000 Kloner RA, 400, 611 Kobrin I. 1142 Koehler RC, 822 Konstantinow G, 65 Kopelen H, 288 Kramer BL, 1135 Krayenbuehl HP, 855 Kreusch G, 973 Kreuzer H. 1000 Kriett JM, 1088 Kronzon I, 506 Kübler W, 1, 577 Kumada T, 933 Kunos G. 461 Kurnik PB, 963 Kusukawa R, 933

L

L'Abbate A, 889 Lakatta EG, 203 Laks MM, 1219A Lambertz H, 298 Lamping KG, 391 Lange R, 400 Lanzer P, 125, 523 Larson D, 80, 1177 Lauer RM, 242 Lavine SJ, 15 Leatherman J. 541 Lederman S, 142 Lee KL, 880 Lee VW, 113 Lehmann MH, 1096 Lehmann MS, 26 Leier CV, 57 Leithe ME, 57 Lengfelder W, 577 Lerman BB, 1006 Levine RA, 497 Levine TB, 548 Levy RI, 313, 325 Lewis M, 1120 Lewis SE, 1120 Liang C, 113 Lichstein E, 761 Liddle HV, 569 Lima CO, 1177 Lincoln W, 703 Lindenfeld J, 181 Lipton MJ, 125, 523 Little JA, 1065A Liu SK, 1036 Loh IK, 313, 325 Ludbrook PA, 963, 983 Lund G, 772, 783

M

Magorien RD, 57
Magovern GJ Jr, 585
Mahmud R, 26, 1096
Malisak Z, 461
Mall G, 1
Management Committee of the Australian National Blood Pressure Study, 668
Mann DE, 288
Manthey J, 1
Mantle JA, 338
Marchlinski FE, 532, 914, 1103

Marcus ML, 991, 1111
Mark AL, 451
Mark DB, 880
Martin JL, 1079
Maruoka Y, 441
Maseri A, 8, 690
Mason JW, 233
Massie BM, 1135
Masuyama T, 73
Matsuda Y, 933
Matsuzaki M, 801, 933
Maurer G, 418
McDaniel HG, 973
McDonough MT, 15
McKay RG, 703

McKay RG, 703 Meerbaum S, 418 Mehlman DJ, 102 Melin JA, 131 Melton HE Jr, 775 Messel E, 80, 1177 Messerli FH, 1142 Meyer J, 298 Miceli MV, 585 Michael JR, 822 Miller JP, 250 Minten J, 1070

Mintz PD, 15 Mirsky I, 836 Mirvis DM, 1219A Mitchell LB, 233 Mitchell SE, 554 Moak JP, 149

Moe GK, 163 Mombelli G, 684 Moore EN, 369 Morera JA, 924 Moriarty DJ, 313, 325 Morita T, 73

Morris J, 477 Morris KG, 880 Morrison J, 728, 740 Most AS, 1048 Muller JE, 728, 740

Multicenter Post-Infarction Research Group, 250

N

Nakanishi T, 306 Nakazawa M, 306 Natarajan TK, 866 Nath HP, 338 Nebendahl K, 1000 Newman HN, 477 Nichols AB, 512 Nicod PH, 1120 Niedermeyer E, 822 Noda H, 468

Norton HJ, 288

Norwood WI, 655

wa H, 933

Ogawa H, 933 Ohnishi K, 73 Oigman W, 1142 Okada RD, 1153 Okuda H, 306 Olivari MT, 548 Olsson G, 1129 Ong K, 418 Oparil S, 973 Opherk D, 1 O'Rourke RA, 854A Ozaki M, 933

P

0

Page HL. 756 Palacios I, 93 Pantridge JF, 357 Parkey R, 1120 Parrillo JE, 93 Parrish MD, 949 Passamani ER, 313, 325 Patritti J, 801 Patterson RE, 382 Patton JN, 357 Paulsen PK, 905 Pearle DL, 728, 740 Pedersen DC, 174 Pedrinelli R. 1171 Perloff JK, 33 Permutt S, 866 Pieroni DR. 924 Pisà Z, 854A Plappert TA, 259 Platia EV, 593 Pohost GM, 1153 Pollick C, 43 Pollock ML, 748 Pouleur H, 696 Pratt CM, 288 Pryor DB, 880 Prystowsky EN, 278

Q

Naccarelli GV, 278 Nakae S, 306 Nakamura M, 50, 441

Quinones MA, 288

Rabinovitch M. 655 Rademakers FE, 190 Radley-Smith R. 106 Rahimtoola SH, 842 Rakowski H, 43 Ramos RG, 1146 Ramwell PW, 632 Rao AK, 15 Ray R. 943 Rehnqvist N, 1129 Reichek N, 259, 645 Reid L, 655 Rellas JS, 1120 Reves JG, 973 Richards DA. 369 Richardson JM, 313, 325 Rincon G, 541 Rinkenberger RL, 278 Ritchie JL, 561, 677 Ritter M, 855 Rizos I, 577 Roach A, 756 Roberts R. 288, 728, 740 Rod JL, 748 Rodeheffer RJ, 203 Roelandt J, 854A Rogers MC, 822 Rogers WJ, 338 Roland JMA, 924 Rolnitzky LM, 250 Romeo F, 690 Rosati RA, 880 Rosen MR, 149, 1013 Rosner B, 728, 740 Ross J Jr, 801 Roubin GS, 477, 955 Rousseau MF, 696 Royal HD, 703 Rozanski GJ, 163 Rude RE, 728, 740, 1120

Rysavy J, 772, 783

S

Sadick NN, 955 Sahn DJ, 80, 1177 Saichek RP, 748 Salcedo EE, 541 Salo RW, 703 Salomonowitz E, 772, 783 Satomi G, 306 Scheiner E. 728, 740 Scheinman MM, 233, 1219A Schelbert HR, 33 Schiller NB, 523 Schmidt DH, 748 Schneider J, 855 Schneider JF, 728, 740 Schoen FJ, 611 Schubothe M, 1000 Schwartz D, 1079 Schwartz PJ, 790, 1182 Schwarz F, 1 Sealy WC, 269 Senges J, 577 Serfas DH, 728, 740 Shah B, 645 Shah P. 418 Sharefkin JB, 632

## **AUTHOR INDEX**

Sharkey SW, 548 Sheffield LT, 1219A Sherman LG, 113 Shi AY, 822 Shimizu T, 933 Simon AB, 409 Simon T, 1120 Skorton DJ, 775, 991 Smith LR, 973 Sobel BE, 605, 711, 728, 740, 983 Sokolov JJ, 1120 Sondergåard T, 905 Spadaro JJ Jr, 983 Spann JF, 15, 1058 Spear JF, 369 Spears JR, 703 Speir EH, 382 Spencer FC, 506 Squires RW, 748 Srinivasan SR, 895 St. John Sutton MG, 259, 645 Stanley JC. 632 Stark D, 523 Starmer CF, 142 Stephenson LW, 640 Stewart J, 1146 Stinson EB, 766 Stone HL, 790, 1182 Stone NJ, 313, 325 Stone PH, 728, 740 Strain J, 214 Stratton JR, 561, 677 Straub PW, 684 Strauss HC, 142 Sys SU, 190

T

Tacogue L, 756
Tago M, 350
Tajimi T, 801
Takao A, 306
Takeshita A, 50
Tanaka K, 441
Tanaka M, 854A
Tanouchi J, 73
Tarazi RC, 1171
Tate C, 728, 740
Taylor AA, 288
Tei C, 418

Tennant SN, 756
Ter-Pogossian MM, 983
Thomton MA, 721
Tiefenbrunn AJ, 963, 983
Tilley LP, 1036
Tilton GD, 1161
Timmis GC, 1146
Timker WP, 506
Tomoike H, 441
Topic N, 1135
Torres M, 418
Traystman RJ, 822
Tsitlik J, 822
Turi ZG, 728 740
Turina M, 665

U

Untereker WJ, 532 Unverferth DV, 57 Urquhart J, 382

V

Vajda L, 461
Valdes-Cruz LM, 80, 1177
Van de Werf F, 605, 1070
van Eyll C, 696
Varga K, 461
Vassale M, 618
Vassallo JA, 914, 1103
Venable TC, 756
Ventura HO, 1142
Vik-Mo H, 492, 874
Vinter DW, 632
Vlodaver Z, 772
Voors AW, 895
Vrobel TR, 409

W

Wagner HN, 866 Walsh PN, 15 Ward A, 748 Ware J, 400 Warltier DC, 391

Waspe LE, 532 Waxman HL, 532, 914 Weaver WD, 943 Webb C, 106 Weihe E. 1 Weisfeldt ML, 203, 593, 822, 1006 Weiss JL, 1006 Weitzman LB, 506 Wellens HJJ, 87, 120 Wellington K, 113 Wenger TL, 142 Wesbey G, 125 Westveer DC, 1146 Weyman AE, 497 White CW, 991, 1111 White FC, 801 White RI Jr, 554 Wigle ED, 43 Willems J, 1070 Willerson JT, 1120, 1161 Williams DO, 1048 Williams G, 541 Wilson JR, 1079 Winkle RA, 233, 766 Wise RA, 866 Wit AL, 1036 Witkowski FX, 711 Wolf S, 22 Wood F, 418 Wooten E, 756 Wu D, 1219A

Y

Yacoub MH, 106 Yamagishi T, 933 Yamamoto K, 50 Yamaoka H, 933 Yiannikas J, 541 Yoshima H, 73 Young JB, 288

Z

Zebe H, 1 Zipes DP, 278, 1219A Zorn GL, 338 Zuniga WC, 772 β-Adrenergic blockade

Effect of propranolol in postinfarction patients with mechanical or electrical complications, 761

Ventricular arrhythmias during the first year after acute myocardial infarction: influence of long-term treatment with metoprolol, 1129 α-Adrenergic receptors

α-Adrenergic receptors and coronary spasm: an elusive link, 8

Adenosine

Contrasting effects of nifedipine and adenosine on regional myocardial flow distribution and metabolism distal to a severe coronary arterial stenosis: observations in sedated, closed-chest, domestic swinc, 1048

Dromotropic effects of adenosine and adenosine antagonists, 1195 Afterload

Increased left ventricular emptying at aximal exercise after reduction in afterload, 492

Amiodarone

A comparison of the electrophysiologic effects of intravenous and oral amiodarous in the same patient, 120

Angin

 a-Adrenergic receptors and coronary spasm: an elusive link, 8
 Association between early graft patency and late outcome for patients undergoing coronary artery bypass graft surgery, 569

Clinical characteristics and long-term survival of patients with variant angina, 880

Coronary bypass surgery for unstable angina, 842

A double-blind, placebo-controlled study of ketanserin in patients with Prinzmetal's angina: evidence against a role for serotonin in the genesis of coronary vasospasm, 889

Myocardial ischemia during ergonovine testing: different susceptibility to coronary vasoconstriction in patients with exertional and variant angina, 690

Nifedipine and conventional therapy for unstable angina pectoris: a randomized, double-blind comparison, 728

Reduction of coronary reserve: a mechanism for angina pectoris in patients with arterial hypertension and normal coronary arteries, 1

Angiography

Effects of therapy with cholestyramine on progression of coronary arteriosclerosis: results of the NHLBI Type II Coronary Intervention Study, 313

**Angioplasty** 

Coumadin and aspirin in prevention of recurrence after transluminal coronary angioplasty: a randomized study, 721

Long-term patency of the ductus arteriosus after balloon dilatation: an experimental study, 772

Anticoagulation

Coumadin and aspirin in prevention of recurrence after transluminal coronary angioplasty: a randomized study, 721

Arrhythmia

Autonomic mechanisms in ventricular fibrillation induced by myocardial ischemia during exercise in dogs with healed myocardial infarction: an experimental preparation for sudden cardiac death, 790

Clinical efficacy and electrophysiologic effects of encainide in patients with Wolff-Parkinson-White syndrome, 278

Comparative effects of disopyramide and ethmozine in suppressing complex ventricular arrhythmias by use of double-blind, placebo-controlled, longitudinal crossover design, 288

A comparison of the electrophysiologic effects of intravenous and oral amiodarone in the same patient, 120

Dromotropic effects of adenosine and adenosine antagonists, 1195
The effects of milrinone on conduction, reflection, and automaticity in canine Purkinje fibers, 1026

Effects of pacing on triggered activity induced by early afterdepolarizations, 1013

Electrophysiologic substrate for ventricular tachycardia: correlation of properties in vivo and in vitro, 369

Facilitation of macroreentry within the His-Purkinje system with abrupt changes in cycle length, 26

Induction and termination of triggered activity by pacing in isolated canine Purkinje fibers, 149

Mechanisms for atrial arrhythmias associated with cardiomyopathy: a

study of feline hearts with primary myocardial disease, 1036

Myocardial injury and induction of arrhythmia by direct current shock delivered via catheters in dogs, 1006

The nonpharmacologic management of the permanent form of junctional reciprocating tachycardia, 269

Recording of diastolic slope with catheters during junctional rhythm in humans, 485

The relationships among ventricular arrhythmias, left ventricular dysfunction, and mortality in the 2 years after myocardial infarction, 250

Role of triple extrastimuli during electrophysiologic study of patients with documented sustained ventricular tachyarrhythmias, 532

Significance of ventricular arrhythmias initiated by programmed ventricular stimulation: the importance of the type of ventricular arrhythmia induced and the number of premature stimuli required, 87

The value of catheter mapping in patients in sinus rhythm to localize site of origin of ventricular tachycardia, 1103

Ventricular arrhythmias during the first year after acute myocardial infarction: influence of long-term treatment with metoprolol, 1129

Arrhythmogenesis

Reflected reentry in nonhomogeneous ventricular muscle as a mechanism of cardiac arrhythmias, 163

Arteriography

Quantification of relative coronary arterial stenosis by cinevideodensitometric analysis of coronary arteriograms, 512

Aspirta

Cournadin and aspirin in prevention of recurrence after transluminal coronary angioplasty: a randomized study, 721

Atherosclerosis

Selective hypercontraction caused by ergonovine in the canine coronary artery under conditions of induced atherosclerosis, 441

Atrial septal defect

Noninvasive evaluation of the ratio of pulmonary to systemic flow in atrial septal defect by duplex Doppler echocardiography, 73

A pulsed Doppler echocardiographic method for calculating pulmonary and systemic blood flow in atrial level shunts: validation studies in animals and initial human experience, 80

Some immediate hemodynamic consequences of closure of atrial septal defects of the secundum type, 905

Atrioventricular conduction

Enhanced atrioventricular nodal conduction in man: electrophysiologic effects of pharmacologic autonomic blockade, 1088

Autonomic blockade

Enhanced atrioventricular nodal conduction in man: electrophysiologic effects of pharmacologic autonomic blockade, 1088

Autonomic rhythm

Recording of diastolic slope with catheters during junctional rhythm in humans, 485

AV node

Dromotropic effects of adenosine and adenosine antagonists, 1195 Enhanced atrioventricular nodal conduction in man: electrophysiologic effects of pharmacologic autonomic blockade, 1088

Recording of diastolic slope with catheters during junctional rhythm in humans, 485

B

Baroreflex

Selective impairment of baroreflex-mediated vasoconstrictor responses in patients with ventricular dysfunction, 451

Bayesian analysis

Bayesian analysis of data from radionuclide angiocardiograms for diagnosis of coronary artery disease, 65

Bayesian probability analysis: a prospective demonstration of its clinical utility in diagnosing coronary disease, 541

Biopsy

The results of transvenous endomyocardial biopsy can frequently be used to diagnose myocardial diseases in patients with idiopathic heart failure: endomyocardial biopsies in 100 consecutive patients revealed a substantial incidence of myocarditis, 93

Vascular structure in lung tissue obtained at biopsy correlated with

pulmonary hemodynamic findings after repair of congenital heart defects, 655

#### Blood flow

Abnormalities in myocardial perfusion during tachycardia in dogs with left ventricular hypertrophy: metabolic evidence for myocardial ischemia, 409

Contrasting effects of nifedipine and adenosine on regional myocardial flow distribution and metabolism distal to a severe coronary arterial stenosis: observations in sedated, closed-chest, domestic swine, 1048

Coronary blood flow during cardiopulmonary resuscitation in swine, 174

Effects of the selective thromboxane synthetase inhibitor dazoxiben on variations in cyclic blood flow in stenosed canine coronary arteries. 1161

Effects of three bradycardiac drugs on regional myocardial blood flow and function in areas distal to a total or partial coronary occlusion in dogs, 391

Exercise intolerance in patients with chronic heart failure: role of impaired nutritive flow to skeletal muscle, 1079

Mechanisms by which epinephrine augments cerebral and myocardial perfusion during cardiopulmonary restrictation in dogs, 822

Myocardial contrast two-dimensional echocardiography: comparison of disappearance rates in normal and underperfused myocardium, 418

Noninvasive evaluation of the ratio of pulmonary to systemic flow in atrial septal defect by duplex Doppler echocardiography, 73

Potential adverse effects of volume loading on perfusion of vital organs during closed-chest resuscitation, 181

A pulsed Doppler echocardiographic method for calculating pulmonary and systemic blood flow in atrial level shunts: validation studies in animals and initial human experience, 80

Relationship between central hemodynamics and regional blood flow in normal subjects and in patients with congestive heart failure, 57

Bradycardia Effects of three bradycardiac drugs on regional myocardial blood flow and function in areas distal to a total or partial coronary occlusion in dogs, 391

Bretvlium

A method for quantitating antifibrillatory effects of drugs after coronary reperfusion in dogs: improved outcome with bretylium, 142

C

### Calcium

Sydney Ringer, calcium, and cardiac function, 849

Calcium antagonists

The dependence of the cardiac effects of nifedipine on the responses of the peripheral vascular system, 963

The effect of two different diltiazem treatments on infarct size in ischemic, reperfused porcine hearts, 1000

Effects of a calcium-entry blocker (diltiazem) on regional myocardial flow and function during exercise in conscious dogs, 801

Interference of calcium entry blockade in vivo with pressor responses to a-adrenergic stimulation: effects of two unrelated blockers on responses to both exogenous and endogenously released norepinephrine, 1171

Captopril

Hemodynamic measurements do not predict the response to captopril in patients with congestive heart failure, 1135

Cardiac output

Exercise cardiac output is maintained with advancing age in healthy human subjects: cardiac dilatation and increased stroke vo. ne compensate for a diminished heart rate, 203

Cardioniyopathy

Mechanisms for atrial arrhythmias associated with cardiomyopathy: a study of feline hearts with primary myocardial disease, 1036

Cardioplegia

Maintenance of aerobic metabolism during global ischemia with perfluorocarbon cardioplegia improves myocardial preservation, 585

A randomized comparison of crystalloid and blood-containing cardioplegic solutions in sixty patients, 973

### Cardiopulmonary resuscitation

Coronary blood flow during cardiopulmonary resuscitation in swine, 174

The effects of shock energy, propranolol, and verapamil on cardiac damage caused by transthoracic countershock, 357

Improved neurologic recovery and survival after early defibrillation, 943

Mechanisms by which epinephrine augments cerebral and myocardial perfusion during cardiopulmonary resuscitation in dogs, 822

Potential adverse effects of volume loading on perfusion of vital organs during closed-chest resuscitation, 181

Volume-dependent effects of positive airway pressure on intracavitary left ventricular end-diastolic pressure, 815

#### Cardioversion

Effects of three bradycardiac drugs on regional myocardial blood flow and function in areas distal to a total or partial coronary occlusion in dogs, 391

#### Catecholamines

Interference of calcium entry blockade in vivo with pressor responses to α-adrenergic stimulation: effects of two unrelated blockers on responses to both exogenous and endogenously released norepinephrine, 1171

#### Catheter mapping

The value of catheter mapping in patients in sinus rhythm to localize site of origin of veatricular tachycardia, 1103

#### Cholesterol

The influence of changes in liquid values induced by cholestyramine and diet on progression of coronary artery disease: results of NHLRI Type II Coronary Intervention Study, 325

Cholestyramine

Effects of therapy with cholestyramine on progression of coronary arteriosclerosis: results of the NHLBI Type II Coronary Intervention Study, 313

The influence of changes in lipid values induced by cholestyramine and diet on progression of coronary artery disease: results of NHLBI Type II Coronary Intervention Study, 325

### Circumflex coronary artery

The clinical features of isolated left circumflex coronary artery disease, 477

# Clonidine

Reversal by naloxone of the antihypertensive action of clonidine: involvement of the sympathetic nervous system, 461

### Congenital heart disease

Assessment of left ventricular contractile state after anatomic correction of transposition of the great arteries, 106

Dynamics of right heart flow in patients after Fontan procedure, 306 Long-term patency of the ductus arteriosus after balloon dilatation: an experimental study, 772

Short-term hemodynamic effects of hydralazine in infants with complete atrioventricular canal defects, 949

Some immediate hemodynamic consequences of closure of atrial septal defects of the secundum type, 905

Two-dimensional echocardiographic examination of mitral valve abnormalities associated with coarctation of the aorta, 924

Vascular structure in lung tissue obtained at biopsy correlated with pulmonary hemodynamic findings after repair of congenital heart defects, 655

# Congestive heart failure

β-Adrenergic stimulation of the failing ventricle: a double-blind, randomized trial of sustained oral therapy with prenalterol, 955

Exercise intolerance in patients with chronic heart failure: role of impaired nutritive flow to skeletal muscle, 1079

Hemodynamic and clinical response to enalapril, a long-acting converting-enzyme inhibitor, in patients with congestive heart failure, 548

Hemodynamic measurements do not predict the response to captopril in patients with congestive heart failure, 1135

Long-term hemodynamic effect of prenalterol in patients with severe congestive heart failure, 298

Relationship between central hemodynamics and regional blood flow in normal subjects and in patients with congestive heart failure, 57

The results of transvenous endomyocardial biopsy can frequently be used to diagnose myocardial diseases in patients with idiopathic heart failure: endomyocardial biopsies in 100 consecutive patients revealed a substantial incidence of myocarditis, 93 Selective impairment of baroreflex-mediated vasoconstrictor responses in patients with ventricular dysfunction, 451

Sustained improvement of cardiac function in patients with congestive heart failure after short-term infusion of dobutamine, 113

Contrast media

Role of ischemia in contrast-induced renal damage: an experimental study, 783

Coronary artery bypass surgery

Association between early graft patency and late outcome for patients undergoing coronary artery bypass graft surgery, 569 Coronary bypass surgery for unstable angina, 842

Coronary artery disease

Absence of a cumulative deterioration of regional function during three repeated 5 or 15 minute coronary occlusions, 400

α-Adrenergic receptors and coronary spasm: an elusive link, 8 Assessment of regional left ventricular relaxation in patients with coronary artery disease: importance of geometric factors and changes in wall thickness, 696

Asynchronous left ventricular diastolic filling in patients with isolated disease of the left anterior descending coronary artery: assessment with radionuclide ventriculography, 933

Bayesian analysis of data from radionuclide angiocardiograms for diagnosis of coronary artery disease, 65

Bayesian probability analysis: a prospective demonstration of its clinical utility in diagnosing coronary disease, 541

Clinical characteristics and long-term survival of patients with variant angina, 880

The clinical features of isolated left circumflex coronary artery disease, 477

Coagulant activities of platelets in coronary artery disease, 15 Coumadin and aspirin in prevention of recurrence after transluminal

Coumadin and aspirin in prevention of recurrence after translumina coronary angioplasty: a randomized study, 721

Effects of a calcium-entry blocker (diltiazem) on regional myocardial flow and function during exercise in conscious dogs, 801

Effects of the selective thromboxane synthetase inhibitor dazoxiben on variations in cyclic blood flow in stenosed canine coronary arteries, 1161

Effects of therapy with cholestyramine on progression of coronary arteriosclerosis: results of the NHLBI Type II Coronary Intervention Study, 313

Effects of three bradycardiac drugs on regional myocardial blood flow and function in areas distal to a total or partial coronary occlusion in dogs, 391

Family history of heart attack as an independent predictor of death due to cardiovascular disease, 1065

The influence of changes in lipid values induced by cholestyramine and diet on progression of coronary artery disease: results of NHLBI Type II Coronary Intervention Study, 325

Myocardial ischemia during ergonovine testing: different susceptibility to coronary vasoconstriction in patients with exertional and variant angina, 690

Nifedipine and conventional therapy for unstable angina pectoris: a randomized, double-blind comparison, 728

Nifedipine therapy for patients with threatened and acute myocardial infarction: a randomized, double-blind, placebo-controlled comparison, 740

Protective effect of early and late treatment with nifedipine during myocardial infarction in the conscious dog, 131

Quantification of relative coronary arterial stenosis by cinevideodensitometric analysis of coronary arteriograms, 512

Reduction of coronary reserve: a mechanism for angina pectoris in patients with arterial hypertension and normal coronary arteries, 1 The relationships among ventricular arrhythmias, left ventricular

dysfunction, and mortality in the 2 years after myocardial infarction, 250

Return of left ventricular function after reperfusion in patients with myocardial infarction: importance of subtotal stenoses or intact collaterals, 338

The value of lesion cross-sectional area determined by quantitative coronary angiography in assessing the physiologic significance of proximal left anterior descending coronary arterial stenoses, 1111 Work capacity and left ventricular function during rehabilitation after

myocardial revascularization surgery, 748

Coronary artery tone

Quantitative pharmacologic responses of normal and atherosclerotic

isolated human epicardial coronary arteries, 430

Selective hypercontraction caused by ergonovine in the canine coronary artery under conditions of induced atherosclerosis, 441

Coronary reperfusion

A method for quantitating antifibrillatory effects of drugs after coronary reperfusion in dogs: improved outcome with bretylium, 142 Coronary reserve

Reduction of coronary reserve: a mechanism for angina pectoris in patients with arterial hypertension and normal coronary arteries, 1

Coronary spasm

α-Adrenergic receptors and coronary spasm: an elusive link, 8 Coronary thrombosis

Effect of heparin on plasma fibrinopeptide A in patients with acute myocardial infarction, 684

oumadin

Coumadin and asbirin in prevention of recurrence after transluminal coronary angioplasty: a randomized study, 721

D

### Dazoxiben

Effects of the selective thromboxane synthetase inhibitor dazoxiben on variations in cyclic blood flow in stenosed canine coronary arteries, 1161

### Diastolic function

Assessment of diastolic function: suggested methods and future considerations, 836

Digitalis glycoside

Selective impairment of baroreflex-mediated vasoconstrictor responses in patients with ventricular dysfunction, 451

Diltiazen

Comparative effects of verapamil, diltiazem, and nifedipine on hemodynamics and left ventricular function during acute myocardial ischemia in dogs, 382

The effect of two different diltiazem treatments on infarct size in ischemic, reperfused porcine hearts, 1000

Effects of a calcium-entry blocker (diltiazem) on regional myocardial flow and function during exercise in conscious dogs, 801

Dipyridamol

Quantification of platelet retention in aortocoronary femoral vein bypass graft in dogs treated with dipyridamole and aspirin, 350 Direct current shock

Myocardial injury and induction of arrhythmia by direct current shock delivered via catheters in dogs, 1006

Disopyramide

Comparative effects of disopyramide and ethmozine in suppressing complex ventricular arrhythmias by use of double-blind, placebo-controlled, longitudinal crossover design, 288

obutamine

Sustained improvement of cardiac function in patients with congestive heart failure after short-term infusion of dobutamine, 113

E

**Echocardiography** 

Assessment of left ventricular mechanics in patients with asymptomatic aortic regurgitation: a two-dimensional echocardiographic study, 259

Echocardiographic measurement of right ventricular volume, 497 The effects of antithrombotic drugs in patients with left ventricular thrombi: assessment with indium-111 platelet imaging and twodimensional echocardiography, 561

Effects of spontaneous respiration on left ventricular function assessed by echocardiography, 874

Increased left ventricular emptying at maximal exercise after reduction in afterload, 492

Myocardial contrast two-dimensional echocardiography: comparison of disappearance rates in normal and underperfused myocardium, 418

Noninvasive evaluation of the ratio of pulmonary to systemic flow in atrial septal defect by duplex Doppler echocardiography, 73

Pulmonary arterial V waves in mitral regurgitation: clinical and experimental observations, 214

A pulsed Doppler echocardiographic method for calculating pulmonary and systemic blood flow in atrial level shunts: validation studies in animals and initial human experience, 80

Quantitative assessment of growth and function of the cardiac chambers in the normal human fetus: a prospective longitudinal echocar-

diographic study, 645

Report of the Joint International Society and Federation of Cardiology/World Health Organizations Task Force on Recommendations for Standardization of Measurements from M-Mode Echocardiograms, 854A

Two-dimensional echocardiographic examination of mitral valve abnormalities associated with coarctation of the aorta, 924 Ultrasonic backscatter and collagen in normal ventricular myocardi-

um, 775

Validation of a Doppler echocardiographic method for calculating severity of discrete stenotic obstructions in a canine preparation with a pulmonary arterial band, 1177

The value of lesion cross-sectional area determined by quantitative coronary angiography in assessing the physiologic significance of proximal left anterior descending coronary arterial stenoses, 1111

### Editorial

Triple control of relaxation: implications in cardiac disease, 190

dectrophysiology

Electrophysiologic substrate for ventricular tachycardia: correlation of properties in vivo and in vitro, 369
Enhanced atrioventricular nodal conduction in man: electrophysio-

logic effects of pharmacologic autonomic blockade, 1088
Facilitation of macroreentry within the His-Purkinje system with

abrupt changes in cycle length, 26

Fast-Fourier transform analysis of signal-averaged electrocardiograms for identification of patients prone to sustained ventricular tachycardia, 711 Induction and termination of triggered activity by pacing in isolated

canine Purkinje fibers, 149

A method for quantitating antifibrillatory effects of drugs after coronary reperfusion in dogs: improved outcome with bretylium, 142
Personnel and equipment required for electrophysiologic testing,

Postextrasystolic alterations in refractoriness of the His-Purkinje system and ventricular myocardium in man, 1096

The QT interval during reflex cardiovascular adaptation, 22

Recording of diastolic slope with catheters during junctional rhythm in humans, 485

Reflected reentry in nonhomogeneous ventricular muscle as a mechanism of cardiac arrhythmias, 163

Role of triple extrastimuli during electrophysiologic study of patients with documented sustained ventricular tachyarrhythmias, 532

Significance of ventricular arrhythmias initiated by programmed ventricular stimulation: the importance of the type of ventricular arrhythmia induced and the number of premature stimuli required, 87 The value of catheter mapping in patients in sinus rhythm to localize

site of origin of ventricular tachycardia, 1103

# Enalapril

Hemodynamic and clinical response to enalapril, a long-acting converting-enzyme inhibitor, in patients with congestive heart failure, 548

# Encainide

Clinical efficacy and electrophysiologic effects of encainide in patients with Wolff-Parkinson-White syndrome, 278

### Endocarditis

Prosthetic valvular endocarditis, 223

# **Epicardial mapping**

Electrophysiologic substrate for ventricular tachycardia: correlation of properties in vivo and in vitro, 369

# Epidemiology

Family history of heart attack as an independent predictor of death due to cardiovascular disease, 1065

Influence of persistent obesity in children on cardiovascular risk factors: the Bogalusa Heart Study, 895

Level, trend, and variability of blood pressure during childhood: the Muscatine study, 242

#### Epinephrine

Mechanisms by which epinephrine augments cerebral and myocardial perfusion during cardiopulmonary resuscitation in dogs, 822

#### Ergonovine testing

Myocardial ischemia during ergonovine testing: different susceptibility to coronary vasoconstriction in patients with exertional and variant angina, 690

#### Ethmozine

Comparative effects of disopyramide and ethmozine in suppressing complex ventricular arrhythmias by use of double-blind, placebo-controlled, longitudinal crossover design, 288

#### Exercis

Effects of a calcium-entry blocker (diltiazem) on regional myocardial flow and function during exercise in conscious dogs, 801

The effects of daily exercise on susceptibility to sudden cardiac death, 1182

Exercise cardiac output is maintained with advancing age in healthy human subjects: cardiac dilatation and increased stroke volume compensate for a diminished heart rate, 203

Exercise intolerance in patients with chronic heart failure: role of impaired nutritive flow to skeletal muscle, 1079

Increased left ventricular emptying at maximal exercise after reduction in afterload, 492

Work capacity and left ventricular function during rehabilitation after myocardial revascularization surgery, 748

## F

#### Fast-Fourier transform analysis

Fast-Fourier transform analysis of signal-averaged electrocardiograms for identification of patients prone to sustained ventricular tachycardia, 711

# Fenoldopam

Immediate hemodynamic effects of a dopamine-receptor agonist (fenoldopam) in patients with essential hypertension, 1142

### Fibrinoge

Hemorrhage and the products of fibrinogen digestion after intracoronary administration of streptokinase, 1146

# Fibrinopeptide A

Effect of heparin on plasma fibrinopeptide A in patients with acute myocardial infarction, 684

### Fontan procedure

Dynamics of right heart flow in patients after Fontan procedure, 306

## G

### Graft closure

Association between early graft patency and late outcome for patients undergoing coronary artery bypass graft surgery, 569

# H

### Heart sounds

Diastolic properties of the left ventricle in normal adults and in patients with third heart sound, 1070

# Hemodynamics

Absence of a cumulative deterioration of regional functica during three repeated 5 or 15 minute coronary occlusions, 400

Dynamics of right heart flow in patients after Fontan procedure, 306 Exercise cardiac output is maintained with advancing age in healthy human subjects: cardiac dilatation and increased stroke volume compensate for a diminished heart rate, 203

Hemodynamic measurements do not predict the response to captopril in patients with congestive heart failure, 1135

Immediate hemodynamic effects of a dopamine-receptor agonist (fenoldopam) in patients with essential hypertension, 1142 Instantaneous measurement of left and right ventricular stroke volume and pressure-volume relationships with an impedance catheter. 703

Relationship between central hemodynamics and regional blood flow in normal subjects and in patients with congestive heart failure, 57

Volume-dependent effects of positive airway pressure on intracavitary left ventricular end-diastolic pressure, 815

### Hemorrhage

Hemorrhage and the products of fibrinogen digestion after intracoronary administration of streptokinase, 1146

# Heparin

Effect of heparin on plasma fibrinopeptide A in patients with acute m, scardial infarction, 684
Heparin: the contributions of William Henry Howell, 1198

His-Purkinje system

Facilitation of macroreentry within the His-Purkinje system with abrupt changes in cycle length, 26

Postextrasystolic alterations in refractoriness of the His-Purkinje system and ventricular myocardium in man, 1096

### Howell, WH

Heparin: the contributions of William Henry Howell, 1198

### Hydralazine

Short-term hemodynamic effects of hydralazine in infants with complete atrioventricular canal defects, 949

#### Hypertipidemia

Recommendations for treatment of hyperlipidemia in adults, 1065A Hypertension

Immediate hemodynamic effects of a dopamine-receptor agonist (fenoldopam) in patients with essential hypertension, 1142

Influence of persistent obesity in children on cardiovascular risk factors: the Bogalusa Heart Study, 895

Level, trend, and variability of blood pressure during childhood: the Muscatine study, 242

Prognostic factors in the treatment of mild hypertension, 668

Reduction of coronary reserve: a mechanism for angina pectoris in patients with arterial hypertension and normal coronary arteries, 1

Reversal by naloxone of the antihypertensive action of clonidine: involvement of the sympathetic nervous system, 461

Sodium susceptibility and potassium effects in young patients with borderline hypertension, 468

Venous responses to salt loading in hypertensive subjects, 50

# Hypertrophic cardiomyopathy

Muscular subaortic stenosis: the quantitative relationship between systolic anterior motion and the pressure gradient, 43

I

### Impedance catheter

Instantaneous measurement of left and right ventricular stroke volume and pressure-volume relationships with an impedance catheter. 703

### Implantable defibrillator

Measurement of cardioversion/defibrillation thresholds in man by a truncated exponential waveform and an apical patch—superior vena caval electrode, 766

### Indium-111

The effects of antithrombotic drugs in patients with left ventricular thrombi: assessment with indium-111 platelet imaging and two-dimensional echocardiography, 561

Failure of ticlopidine to inhibit deposition of indium 111-labeled platelets on Dacron prosthetic surfaces in humans, 677

# Indomethacin

Drug-induced expansion of infarct: morphologic and functional correlations, 611

## Infarct size

The effect of two different diltiazem treatments on infarct size in ischemic, reperfused porcine hearts, 1000

### Ischemia

Assessment of regional left ventricular relaxation in patients with coronary artery disease: importance of geometric factors and changes in wall thickness, 696

Autonomic mechanisms in ventricular fibrillation induced by myo-

cardial ischemia during exercise for dogs with healed myocardial infarction: an experimental preparation for sudden cardiac death, 790

Comparative effects of verapamil, diltiazem, and nifedipine on hemodynamics and left ventricular function during acute myocardial ischemia in dogs, 382

Localization of regional myocardial ischemia by recording of monophasic action potential, 593

Maintenance of aerobic metabolism during global ischemia with perfluorocarbon cardioplegia improves myocardial preservation, 585 Role of ischemia in contrast-induced renal damage: an experimental

study, 783 Ultrasonic backscatter and collagen in normal ventricular myocardium, 775

### Ischemic heart disease

Imaging by nuclear magnetic resonance in patients with chronic ischemic heart disease, 523

J

#### Jones, T. Duckett, Memorial Lecture

The search for host determinants of susceptibility to rheumatic fever: the missing link, 197

K

#### Ketanserin

A double-blind, placebo-controlled study of ketanserin in patients with Prinzmetal's angina: evidence against a role for serotonin in the genesis of coronary vasospasm, 889

L

### Left bundle branch block

Endocardial activation of left bundle branch block, 914

### Left ventricular function

The uses and limitations of end-systolic indexes of left ventricular function, 1058

# Left ventricular hypertrophy

Abnormalities in myocardial perfusion during tachycardia in dogs with left ventricular hypertrophy: metabolic evidence for myocardial ischemia, 409

### Lipid-lowering agents

Effects of therapy with cholestyramine on progression of coronary arteriosclerosis: results of the NHLBI Type II Coronary Intervention Study, 313

The influence of changes in lipid values induced by cholestyramine and diet on progression of coronary artery disease: results of NHLBI Type II Coronary Intervention Study, 325

### Lipoprotein disorders

Genetics of lipoprotein disorders, 1190

M

### Metabolisa

Protective effect of early and late treatment with nifedipine during myocardial infarction in the conscious dog, 131

### Milrinone

The effects of milrinone on conduction, reflection, and automaticity in canine Purkinje fibers, 1026

## Mitral regurgitation

Pulmonary arterial V waves in mitral regurgitation: clinical and experimental observations, 214

# Molecular genetics

Genetics of lipoprotein disorders, 1190

### Muscular dystrophy

Alterations in regional myocardial metabolism, perfusion, and wall motion in Duchenne muscular dystrophy studied by radionuclide imaging, 33

### Myocardial disease

Alterations in regional myocardial metabolism, perfusion, and wall motion in Duchenne muscular dystrophy studied by radionuclide imaging, 33

Mechanisms for atrial arrhythmias associated with cardiomyopathy: a study of feline hearts with primary myocardial disease, 1036

The results of transvenous endomyocardial biopsy can frequently be used to diagnose myocardial diseases in patients with idiopathic heart failure: endomyocardial biopsies in 100 consecutive patients revealed a substantial incidence of myocarditis, 93

#### Myocardial infarction

Autonomic mechanisms in ventricular fibrillation induced by myocardial ischemia during exercise in dogs with healed myocardial infarction: an experimental preparation for sudden cardiac death, 790

Drug-induced expansion of infarct: morphologic and functional correlations, 611

Effect of heparin on plasma fibrinopeptide A in patients with acute myocardial infarction, 684

Imaging and characterization of acute myocardial infarction in vivo by gated nuclear magnetic resonance, 125

Intracoronary thrombolysis in patients with acute myocardial infarction: comparison of the efficacy of urokinase with streptokinase, 756

Nifedipine therapy for patients with threatened and acute myocardial infarction: a randomized, double-blind, placebo-controlled comparison, 740

SymTc-Pyrophosphate imaging in patients with acute myocardial infarction: comparison of planar imaging with single-photon tomography with and without blood pool overlay, 1120

The relationships among ventricular arrhythmias, left ventricular dysfunction, and mortality in the 2 years after myocardial infarction, 250

## N

### Naloxone

Reversal by naloxone of the antihypertensive action of clonidine: involvement of the sympathetic nervous system, 461

### Nifedipine

Comparative effects of verapamil, diltiazem, and nifedipine on hemodynamics and left ventricular function during acute myocardial ischemia in dogs, 382

Contrasting effects of nifedipine and adenosine on regional myocardial flow distribution and metabolism distal to a severe coronary arterial stenosis: observations in sedated, closed-chest, domestic swine. 1048

The dependence of the cardiac effects of nife-dipine on the responses of the peripheral vascular system, 963

Increased left ventricular emptying at maximal exercise after reduction in afterload, 492

Nifedipine and conventional therapy for unstable angina pectoris: a randomized, double-blind comparison, 728

Nifedipine therapy for patients with threatened and acute myocardial infarction: a randomized, double-blind, placebo-controlled comparison, 740

Protective effect of early and late treatment with nifedipine during myocardial infarction in the conscious dog, 131

### Norepinephrine

Interference of calcium entry blockade in vivo with pressor responses to a-adrenergic stimulation: effects of two unrelated blockers on responses to both exogenous and endogenously released norepinephrine, 1171

Sodium susceptibility and potassium effects in young patients with borderline hypertension, 468

## Nuclear cardiology

Failure of ticlopidine to inhibit deposition of indium 111-labeled platelets on Dacron prosthetic surfaces in humans, 677

Quantification of platelet retention in aortocoronary femoral vein bypass graft in dogs treated with dipyridamole and aspirin, 350 Nuclear magnetic resonance

Imaging and characterization of acute myocardial infarction in vivo by gated nuclear magnetic resonance, 125

Imaging by nuclear magnetic resonance in patients with chronic ischemic heart disease, 523

## 0

## Obesity

Influence of persistent obesity in children on cardiovascular risk factors: the Bogalusa Heart Study, 895

#### Occlusio

Effects of three bradycardiac drugs on regional myocardial blood flow and function in areas distal to a total or partial coronary occlusion in dogs, 391

### E

# Percutaneous transluminal balloon valvuloplasty

Percutaneous transluminal balloon valvuloplasty for pulmonary valve stenosis. 554

## Pericardial disease

The incidence and natural history of pericardial effusion after cardiac surgery—an echocardiographic study, 506

#### Perspectives

Assessment of diastolic function: suggested methods and future considerations, 836

Combined aortic and mitral valve replacement: changes in practice and prognosis, 640

Coronary bypass surgery for unstable angina, 842

Dromotropic effects of adenosine and adenosine antagonists, 1195 Genetics of lipoprotein disorders, 1190

The search for host determinants of susceptibility to rheumatic fever: the missing link, 197

The uses and limitations of end-systolic indexes of left ventricular function, 1058

# Pharmacology

A comparison of the electrophysiologic effects of intravenous and oral amiodarone in the same patient, 120

A double-blind, placebo-controlled study of ketanserin in patients with Prinzmetal's angina: evidence against a role for serotonin in the genesis of coronary vasospasm, 889

Drug-induced expansion of infarct: morphologic and functional correlations, 611

Prognostic factors in the treatment of mild hypertension, 668

Quantitative pharmacologic responses of normal and atherosclerotic isolated human epicardial coronary arteries, 430

### Physiology

Coronary blood flow during cardiopulmonary resuscitation in swine, 174

Potential adverse effects of volume loading on perfusion of vital organs during closed-chest resuscitation, 181

### Platelet

Coagulant activities of platelets in coronary artery disease, 15

The effects of antithrombotic drugs in patients with left ventricular thrombi: assessment with indium-111 platelet imaging and two-dimensional echocardiography, 561

Platelet reactivity in vivo in dogs with arterial prostheses seeded with endothelial cells, 632

Quantification of platelet retention in aortocoronary femoral vein bypass graft in dogs treated with dipyridamole and aspirin, 350 Positive airway pressure

Volume-dependent effects of positive airway pressure on intracavitary left ventricular end-diastolic pressure, 815 Positron emission tomography

Alterations in regional myocardial metabolism, perfusion, and wall motion in Duchenne muscular dystrophy studied by radionuclide imaging, 33

Preexcitation

Recordings of basal ventricular preexcitation from electrode catheters in patients with accessory atrioventricular connections, 233

Preludes and Progress

Heparin: the contributions of William Henry Howell, 1198 Sydney Ringer, calcium, and cardiac function, 849

Prenalterol

β-Adrenergic stimulation of the failing ventricle: a double-blind, randomized trial of sustained oral therapy with prenalterol, 955 Long-term hemodynamic effect of prenalterol in patients with severe congestive heart failure, 298

Prenatal development

Quantitative assessment of growth and function of the cardiac chambers in the normal human fetus: a prospective longitudinal echocardiographic study, 645

**Programmed stimulation** 

Significance of ventricular arrhythmias initiated by programmed ventricular stimulation: the importance of the type of ventricular arrhythmia induced and the number of premature stimuli required, 87

Propranolol

Effect of propranolol in postinfarction patients with mechanical or electrical complications, 761

The effects of shock energy, propranolol, and verapamil on cardiac damage caused by transthoracic countershock, 357

Prosthetic valves

A guide to the radiographic identification of prosthetic heart valves: an addendum, 102

Prosthetic valve endocarditis, 223

Pulmonary vasculature

Vascular structure in lung tissue obtained at biopsy correlated with pulmonary hemodynamic findings after repair of congenital heart defects, 655

Purkinje fibers

The effects of milrinone on conduction, reflection, and automaticity in canine Purkinje fibers, 1026

Induction and termination of triggered activity by pacing in isolated canine Purkinje fibers, 149

The inotropic effects of strophanthidin in Purkinje fibers and the sodium pump, 618

0

QT interval

The QT interval during reflex cardiovascular adaptation, 22

R

Radiology

A guide to the radiographic identification of prosthetic heart valves: an addendum, 102

Role of ischemia in contrast-induced renal damage: an experimental study, 783

Radionuclide ventriculography

Asynchronous left ventricular diastolic filling in patients with isolated disease of the left anterior descending coronary artery: assessment with radionuclide ventriculography, 933

Bayesian analysis of data from radionuclide angiocardiograms for diagnosis of coronary artery disease, 65

Recombinant DNA

Coronary thrombolysis with intravenously administered human tissue-type plasminogen activator produced by recombinant DNA technology, 605

Reentry

Electrophysiologic substrate for ventricular tachycardia: correlation of properties in vivo and in vitro, 369

Reflected reentry in nonhomogeneous ventricular muscle as a mechanism of cardiac arrhythmias, 163

Refractoriness

Postextrasystolic alterations in refractoriness of the His-Purkinje system and ventricular myocardium in man, 1096

Renal ischemia

Role of ischemia in contrast-induced renal damage: an experimental study, 783

Reperfusion

The effect of two different diltiazem treatments on infarct size in ischemic, reperfused porcine hearts, 1000

Return of left ventricular function after reperfusion in patients with myocardial infarction: importance of subtotal stenoses or intact collaterals, 338

The use of preintervention and postintervention thallium imaging for assessing the early and late effects of experimental coronary arterial reperfusion in dogs, 1153

Respiratory variation

Effects of spontaneous respiration on left ventricular function assessed by echocardiography, 874

Rheumatic fever

Jones criteria (revised) for guidance in the diagnosis of rheumatic fever, 204A

The search for host determinants of susceptibility to rheumatic fever: the missing link, 197

Right ventricular volume

Echocardiographic measurement of right ventricular volume, 497 Ringer, S.

Sydney Ringer, calcium, and cardiac function, 849

S

Salt loading

Venous responses to salt loading in hypertensive subjects, 50 Serotonin

A double-blind, placebo-controlled study of ketanserin in patients with Prinzmetal's angina: evidence against a role for serotonin in the genesis of coronary vasospasm, 889

Single-photon tomography

On Tc-Pyrophosphate imaging in patients with acute myocardial infarction: comparison of planar imaging with single-photon tomography with and without blood pool overlay, 1120

Sodlun

Sodium susceptibility and potassium effects in young patients with borderline hypertension, 468

Sodium pump

The inotropic effects of strophanthidin in Purkinje fibers and the sodium pump, 618

Elect

Electrophysiologic testing in assessment of therapy with sotalol for sustained ventricular tachycardia, 577

Stenosis

Contrasting effects of nifedipine and adenosine on regional myocardial flow distribution and metabolism distal to a severe coronary arterial stenosis: observations in sedated, closed-chest, domestic swine, 1048

Effects of the selective thromboxane synthetase inhibitor dazoxiben on variations in cyclic blood flow in stenosed canine coronary ortaries 1161

arteries, 1161

Validation of a Doppler echocardiographic method for calculating severity of discrete stenotic obstructions in a canine preparation with a pulmonary arterial band, 1177

The value of lesion cross-sectional area determined by quantitative coronary angiography in assessing the physiologic significance of proximal left anterior descending coronary arterial stenoses, 1111

Streptokinase

Hemorrhage and the products of fibrinogen digestion after intracoronary administration of streptokinase, 1146

Improvement of regional myocardial metabolism after coronary thrombolysis induced with tissue-type plasminogen activator or streptokinase, 983 Intracoronary thrombolysis in patients with acute myocardial infarction: comparison of the efficacy of urokinase with streptokinase, 756

Rethrombosis after reperfusion with streptokinase: importance of geometry of residual lesions, 991

### Strophanthidin

The inotropic effects of strophanthidin in Purkinje fibers and the sodium pump, 618

#### Sudden death

Autonomic mechanisms in ventricular fibrillation induced by myocardial ischemia during exercise in dogs with healed myocardial infarction: an experimental preparation for sudden cardiac death, 790

A comparison of the electrophysiologic effects of intravenous and oral amiodarone in the same patient, 120

Effect of propranolol in postinfarction patients with mechanical or electrical complications, 761

The effects of daily exercise on susceptibility to sudden cardiac death, 1182

Improved neurologic recovery and survival after early defibrillation, 943

## Surgery

Assessment of left ventricular contractile state after anatomic correction of transposition of the great arteries, 106

Dynamics of right heart flow in patients after Fontan procedure, 306

The incidence and natural history of pericardial effusion after cardiac surgery—an echocardiographic study, 506

The nonpharmacologic management of the permanent form of junctional reciprocating tachycardia, 269

Work capacity and left ventricular function during rehabilitation after myocardial revascularization surgery, 748

#### Sympathetic nervous system

Reversal by naloxone of the antihypertensive action of clonidine: involvement of the sympathetic nervous system, 461

### Systolic anterior motion

Muscular subaortic stenosis: the quantitative relationship between systolic anterior motion and the pressure gradient, 43

# T

### Tachycardia

Abnormalities in myocardial perfusion during tachycardia in dogs with left ventricular hypertrophy: metabolic evidence for myocardial ischemia, 409

Electrophysiologic testing in assessment of therapy with sotalol for sustained ventricular tachycardia, 577

Fast-Fourier transform analysis of signal-averaged electrocardiograms for identification of patients prone to sustained ventricular tachycardia, 711

The nonpharmacologic management of the permanent form of junctional reciprocating tachycardia, 269

Role of triple extrastimuli during electrophysiologic study of patients with documented sustained ventricular tachyarrhythmias, 532

The value of catheter mapping in patients in sinus rhythm to localize site of origin of ventricular tachycardia, 1103

### Thallium imaging

The use of preintervention and postintervention thallium imaging for assessing the early and late effects of experimental coronary arterial reperfusion in dogs, 1153

### Thromb

The effects of antithrombotic drugs in patients with left ventricular thrombi: assessment with indium-111 platelet imaging and two-dimensional echocardiography, 561

### Thromboembolic disease

Failure of ticlopidine to inhibit deposition of indium 111-labeled platelets on Dacron prosthetic surfaces in humans, 677

Platelet reactivity in vivo in dogs with arterial prostheses seeded with endothelial cells, 632

Quantification of platelet retention in aortocoronary femoral vein bypass graft in dogs treated with dipyridamole and aspirin, 350 **Thrombolysis** 

Coronary thrombolysis with intravenously administered human tis-

sue-type plasminogen activator produced by recombinant DNA technology, 605

Hemorrhage and the products of fibrinogen digestion after intracoronary administration of streptokinase, 1146

Improvement of regional myocardial metabolism after coronary thrombolysis induced with tissue-type plasminogen activator or streptokinase, 983

Intracoronary thrombolysis in patients with acute myocardial infarction: comparison of the efficacy of urokinase with streptokinase, 756

Rethrombosis after reperfusion with streptokinase: importance of geometry of residual lesions, 991

## Ticlopidine

Failure of ticlopidine to inhibit deposition of indium 111-labeled platelets on Dacron prosthetic surfaces in humans, 677

#### Tissue characterization

Ultrasonic backscatter and collagen in normal ventricular myocardium, 775

### Tissue-type plasminogen activator

Coronary thrombolysis with intravenously administered human tissue-type plasminogen activator produced by recombinant DNA technology, 605

Improvement of regional myocardial metabolism after coronary thrombolysis induced with tissue-type plasminogen activator or streptokinase, 983

#### **Transposition**

Assessment of left ventricular contractile state after anatomic correction of transposition of the great arteries, 106

### Triggered activity

Effects of pacing on triggered activity induced by early afterdepolarizations, 1013

Induction and termination of triggered activity by pacing in isolated canine Purkinje fibers, 149

### U

### Urokinase

Intracoronary thrombolysis in patients with acute myocardial infarction: comparison of the efficacy of urokinase with streptokinase, 756

### V

## Valve replacement

Combined aortic and mitral valve replacement: changes in practice and prognosis, 640

Diastolic stiffness and myocardial structure in aortic valve disease before and after valve replacement, 855

### Valvular heart diseas

Assessment of left ventricular mechanics in patients with asymptomatic aortic regurgitation: a two-dimensional echocardiographic study, 259

Diastolic stiffness and myocardial structure in aortic valve disease before and after valve replacement, 855

A guide to the radiographic identification of prosthetic heart valves: an addendum, 102

Percutaneous transluminal balloon valvuloplasty for pulmonary valve stenosis, 554

Pulmonary arterial V waves in mitral regurgitation: clinical and experimental observations, 214

### Vasodilators

Short-term hemodynamic effects of hydralazine in infants with complete atrioventricular canal defects, 949

### Vasospasm

A double-blind, placebo-controlled study of ketanserin in patients with Prinzmetal's angina: evidence against a role for serotonin in the genesis of coronary vasospasm, 889

Myocardial ischemia during ergonovine testing: different susceptibil-

ity to coronary vasoconstriction in patients with exertional and variant angina, 690

### Ventricular fibrillation

Improved neurologic recovery and survival after early defibrillation,  $943\,$ 

A method for quantitating antifibrillatory effects of drugs after coronary reperfusion in dogs: improved outcome with bretylium, 142 Ventricular function

Absence of a cumulative deterioration of regional function during three repeated 5 or 15 minute coronary occlusions, 400

Assessment of left ventricular mechanics in patients with asymptomatic aortic regurgitation: a two-dimensional echocardiographic study, 259

Assessment of regional left ventricular relaxation in patients with coronary artery disease: importance of geometric factors and changes in wall thickness, 696

Comparative effects of verapamil, diltiazem, and nifedipine on hemodynamics and left ventricular function during acute myocardial ischemia in dogs, 382

Drug-induced expansion of infarct: morphologic and functional correlations, 611

Instantaneous measurement of left and right ventricular stroke volume and pressure-volume relationships with an impedance catheter, 703

Volume-dependent effects of positive airway pressure on intracavitary left ventricular end-diastolic pressure, 815 Ventricular performance

The dependence of the cardiac effects of nifedipine on the responses of the peripheral vascular system, 963

Diastolic properties of the left ventricle in normal adults and in patients with third heart sound, 1070

Diastolic stiffness and myocardial structure in aortic valve disease before and after valve replacement, 855

Effects of spontaneous respiration on left ventricular function assessed by echocardiography, 874

Mechanism of decreased left ventricular stroke volume during inspiration in man, 866

### Ventricular relaxation

Triple control of relaxation: implications in cardiac disease, 190

Comparative effects of verapamil, diltiazem, and nifedipine on hemodynamics and left ventricular function during acute myocardial ischemia in dogs, 382

The effects of shock energy, propranolol, and verapamil on cardiac damage caused by transthoracic countershock, 357

W

Wolff-Parkinson-White syndrome

Clinical efficacy and electrophysiologic effects of encainide in patients with Wolff-Parkinson-White syndrome, 278

